IN THE SPECIFICATION

Please amend the paragraph beginning at page 10, line 3, as follows:

$$\frac{\left|\frac{1}{2}^{N}}{\sum_{k=1}^{N}Qnm(ik,ik)}\right| \sum_{k=\frac{1}{2}^{N+1}}^{N}Qnm(ik,ik)} \rightarrow T \qquad \frac{\left|\frac{1}{2}^{N}}{\sum_{k=1}^{N}Qnm(ik,jk)}\right| - \left|\sum_{k=\frac{1}{2}^{N+1}}^{N}Qnm(ik,jk)\right| \rightarrow T \qquad \cdots (1)$$

$$\cdots (1)$$

$$\frac{\sum_{k=\frac{1}{2}^{N+1}}^{N}Qnm(ik,ik)}{\sum_{k=1}^{N}Qnm(ik,ik)} \rightarrow T \qquad \frac{\sum_{k=\frac{1}{2}^{N+1}}^{N}Qnm(ik,jk)}{\sum_{k=\frac{1}{2}^{N+1}}^{N}Qnm(ik,jk)} - \frac{\sum_{k=1}^{N}Qnm(ik,jk)}{\sum_{k=1}^{N}Qnm(ik,jk)} \rightarrow T$$

Please amend the paragraph beginning at page 12, line 9, as follows:

....(2)

$$\frac{\left|\frac{1}{2}^{N}}{\sum_{k=1}^{N}Qnm_{k}(ik,ik)}\right| \sum_{k=\frac{1}{2}^{N+1}}^{N}Qnm_{k}(ik,ik)} \rightarrow T \qquad \frac{\left|\frac{1}{2}^{N}}{\sum_{k=1}^{N}Qnm_{k}(ik,jk)}\right| - \left|\sum_{k=\frac{1}{2}^{N+1}}^{N}Qnm_{k}(ik,jk)\right| \rightarrow T}{\sum_{k=\frac{1}{2}^{N+1}}^{N}Qnm_{k}(ik,ik)} \rightarrow T \qquad \frac{\left|\sum_{k=\frac{1}{2}^{N}}^{N}Qnm_{k}(ik,jk)\right| - \left|\sum_{k=1}^{N}Qnm_{k}(ik,jk)\right| - \left|\sum_{k=1}^{N}Qnm_{k}(ik,jk)\right| \rightarrow T}{\sum_{k=1}^{N}Qnm_{k}(ik,ik)} \rightarrow T \qquad \frac{\left|\sum_{k=\frac{1}{2}^{N}+1}^{N}Qnm_{k}(ik,jk)\right| - \left|\sum_{k=1}^{N}Qnm_{k}(ik,jk)\right| \rightarrow T}{\sum_{k=1}^{N}Qnm_{k}(ik,jk)} \rightarrow T \qquad \dots (4)$$

Please amend the paragraph beginning at page 14, line 5, as follows:

$$\frac{\left|\frac{1}{2}^{N}}{\sum_{k=1}^{N}Qn_{k}m_{k}(ik,ik)}\right| \sum_{k=\frac{1}{2}^{N+1}}^{N}Qn_{k}m_{k}(ik,ik)} \rightarrow T \qquad \frac{\left|\frac{1}{2}^{N}}{\sum_{k=1}^{N}Qn_{k}m_{k}(ik,jk)}\right| - \left|\sum_{k=\frac{1}{2}^{N+1}}^{N}Qn_{k}m_{k}(ik,jk)\right| \rightarrow T}{\sum_{k=\frac{1}{2}^{N+1}}^{N}Qn_{k}m_{k}(ik,ik)} \rightarrow T \qquad \frac{\left|\sum_{k=\frac{1}{2}^{N+1}}^{N}Qn_{k}m_{k}(ik,jk)\right| - \left|\sum_{k=1}^{N}Qn_{k}m_{k}(ik,jk)\right| - \left|\sum_{k=1}^{N}Qn_{k}m_{k}(ik,jk)\right| \rightarrow T}{\sum_{k=\frac{1}{2}^{N+1}}^{N}Qn_{k}m_{k}(ik,jk)} \rightarrow T \qquad \frac{\left|\sum_{k=\frac{1}{2}^{N+1}}^{N}Qn_{k}m_{k}(ik,jk)\right| - \left|\sum_{k=1}^{N}Qn_{k}m_{k}(ik,jk)\right| \rightarrow T}{\sum_{k=1}^{N}Qn_{k}m_{k}(ik,jk)} \rightarrow T \qquad \dots (6)$$

Please amend the paragraph beginning at page 18, line 22, as follows:

$$\frac{\left|\frac{1}{2}^{N}}{\sum_{k=1}^{N}Qn_{k}m_{k}(ik,ik)}\right\rangle + \sum_{k=\frac{1}{2}^{N+1}}^{N}Qn_{k}m_{k}(ik,ik)}{\sum_{k=\frac{1}{2}^{N+1}}^{N}Qn_{k}m_{k}(ik,jk)} + \sum_{k=\frac{1}{2}^{N+1}}^{N}Qn_{k}m_{k}(ik,jk)$$

$$\dots(7)$$

$$\frac{\left|\frac{1}{2}^{N}}{\sum_{k=1}^{N}Qn_{k}m_{k}(ik,ik)}\right\rangle + \sum_{k=\frac{1}{2}^{N+1}}^{N}Qn_{k}m_{k}(ik,jk)} + \sum_{k=\frac{1}{2}^{N+1}}^{N}Qn_{k}m_{k}(ik,jk)$$

$$\dots(8)$$

Please amend the paragraph beginning at page 46, line 2, as follows:

Please amend the paragraph beginning at page 66, line 20, as follows:

$$\frac{\left|\frac{1}{2}^{N}}{\sum_{k=1}^{N}Qn_{k}m_{k}(ik,ik)\right|} \times \sum_{k=\frac{1}{2}^{N+1}}^{N}Qn_{k}m_{k}(ik,ik) = \left|\frac{\frac{1}{2}^{N}}{\sum_{k=1}^{N}Qn_{k}m_{k}(ik,jk)}\right| \times \left|\sum_{k=\frac{1}{2}^{N+1}}^{N}Qn_{k}m_{k}(ik,jk)\right| \times \left|\sum_{k=\frac{1}{2}^{N}}^{N}Qn_{k}m_{k}(ik,jk)\right| \times \left|\sum_{k=\frac{1}{2}^{N}}^{N}$$

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Please amend the paragraph beginning at page 73, line 8, as follows:

$$\frac{\left|\frac{1}{2}^{N}}{\sum_{k=1}^{N}Qnm_{k}(ik,ik)}\right| \sum_{k=\frac{1}{2}^{N+1}}^{N}Qnm_{k}(ik,ik)} \rightarrow T \qquad \frac{\left|\frac{1}{2}^{N}}{\sum_{k=1}^{N}Qnm_{k}(ik,jk)}\right| - \left|\sum_{k=\frac{1}{2}^{N+1}}^{N}Qnm_{k}(ik,jk)\right| \rightarrow T}{\dots(3)}$$

$$\dots(3)$$

$$\frac{\sum_{k=\frac{1}{2}^{N+1}}^{N}Qnm_{k}(ik,ik)}{\sum_{k=1}^{N}Qnm_{k}(ik,ik)} \rightarrow T \qquad \frac{\sum_{k=\frac{1}{2}^{N+1}}^{N}Qnm_{k}(ik,jk)}{\sum_{k=\frac{1}{2}^{N+1}}^{N}Qnm_{k}(ik,jk)} - \left|\sum_{k=1}^{N}Qnm_{k}(ik,jk)\right| \rightarrow T$$

$$\dots(4)$$

Please amend the paragraph beginning at page 79, line 11, as follows:

$$\frac{\left|\frac{1}{2}^{N}}{\sum_{k=1}^{N}Qn_{k}m_{k}(ik,ik)}\right| - \left|\sum_{k=\frac{1}{2}^{N+1}}^{N}Qn_{k}m_{k}(ik,ik)\right| - \left|\sum_{k=\frac{1}{2}^{N+1}}^{N}Qn_{k}m_{k}(ik,jk)\right| - \left|\sum_{k=\frac{1}{2}^{N+1}}^{N}Qn_{k}m_{k}(ik,jk)\right| - \left|\sum_{k=\frac{1}{2}^{N+1}}^{N}Qn_{k}m_{k}(ik,jk)\right| - \left|\sum_{k=\frac{1}{2}^{N}+1}^{N}Qn_{k}m_{k}(ik,jk)\right| - \left|\sum_{k=1}^{N}Qn_{k}m_{k}(ik,jk)\right| - \left|\sum_{k=1}^{N}Qn_{k}m_{k}$$